

**April / May Shutdown 4/22/03 - 5/21/03**

WORK Items	WRQ #	Responsible Staff Person	Assigned Techician Resources	Estimated Duration	Comments
<b>PS Injector Tasks</b>					
Reterminate RFG Kicker 1 & 2 Feed Cables		Wang / Hillamn	Seglem, Kudirka	2d	Complete
Septum charging Supply replacment (BES 1 & 2)	13378	Wang / McNamara	Goetzen, Donkers	6d	Complete
Linac Klaxons and temp sensors validation and rewire as required.	13479	Hillman	Seglem, Kudirka	2d	Complete
Reterminate Booster Main Supply reset line into breakout	13385	Hillman	Goetzen, Donkers	2h	Complete
Provide assistance for BES1 replacment		Wang / Hillamn	Goetzen, Donkers		Complete
Provide assistance for Par Kicker inspections		Wang / Hillamn	Goetzen, Donkers		Complete
Tie Linac/Par ACIS chain C into MPEOB string	13379	Markovich	Seglem, Kudirka	2h	Complete
Tie LEUTL ACIS into MPEOB string	13381	Markovich	Seglem, Kudirka	2h	Complete
EMI PS Mantiance (filter cleaning)	13382, 13383	Hillman	Goetzen, Donkers	2d	Complete
ETS of the Kickers, Septum, Interleaving supplies and the Analog Receiver/Transmitter boards.	13470	Hillman	Seglem, Kudirka		
a) Document the current configuration of the Analog Receiver/Transmitter boards.		Hillman	Seglem, Kudirka	2d	
b) Validate the wiring to and from the Analog Receiver/Transmitter boards.		Hillman	Seglem, Kudirka	2d	
Equipment & Cable removal for the old LET dipole supplies		Hillman			Complete
b) Complete the removal of DC and interlock Cabling	13386	Hillman / McNamara	Goetzen, Donkers	5d	Complete
c) Reroute MPEOB wiring that is currently passing through this rack	13387	Hillman / Markovich	Seglem, Kudirka	2d	Complete
Install diodes across Contactors Coils		Hillman	Seglem, Kudirka	1d	Complete
Check grounding in Par (Kickers & Besocm)	13472	Hillman			Ongoing
Replace RFGun Heater supplies with new chopper type	13473	Hilman	Seglem, Kudirka	1d	
Rework Boster Dipole Slave PS - repairs from transformer problem		Hilman			Complete
Booster MPEOB wiring		Markovich	Seglem, Kudirka	2d	
<b>PS SR Tasks</b>					
Raw PS Dump Resistor Install	13474	Wang / Sprau	Puttkammer, Vargas, Gibson, Jordan	5d	Deferred
Modify Converter interlock cards (Water trip)	13577	Sprau / Fors	Puttkammer, Vargas	5d	Complete
Redo teflon fitting's with leak lock	13475	Sprau / Fors	Puttkammer, Vargas	3d	Deferred
Analog Readback Repairs	13478	Sprau / Fors	Puttkammer, Vargas	3d	During Startup (time providing)
General PM		Sprau / Fors	Puttkammer, Vargas	3d	During Startup (time providing)
Install & Test Trim PS in S11, 12, & 13	13388	Sprau	Puttkammer, Vargas	4h	Complete
Remove Trim PS in 14, 24, & 25	13579	McNamara	Puttkammer, Vargas	4h	Complete
Canted Undulator Install in S23	13476	Wang / Sprau	Jordan, Gibson	5d	Complete
Add Cooling fans to SR Converter Cabinets	13477	Markovich	Sawatski, Sutton	10d	Fans installed, but not wired, awaiting wires
Validate 6Gev interlock for SR Dipole	13389	McNamara / Sprau			During startup (5/20)
Gespac EPROM upgrade		Fors			Complete
<b>Electrical Tasks</b>					
Install UPS & associated power feeds		Markovich			Ongoing

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<b>ACIS Tasks</b>					
Install at least one Radiation Monitor (24 ID).	13249	Forrestal			
Install conduits and cabling for two more monitors (21 ID and 29 ID).		Forrestal			
Terminate cables in the Sector 23 enclosure for 23 ID		Forrestal / Hogrefe			
Rewire AC power in racks affected by the centralized UPS installation.		Forrestal / Hogrefe	Roberts	4h	Complete
Pull the cable required to modify the Chain C interface upgrade at the terminus of each zone		Hogrefe	OPS	2d	Complete
Pull remote I/O "blue hose" to replace fiber optic cables that run in the synchrotron tunnel.		Forrestal / Hogrefe	Straight, Gomez	1d	Complete
Remove the panel view in the MCR and replace it with a DL 40 message display.					Complete
Interface to the Radiation Monitor mask chassis and install the software.					Complete
Install the PLC clock synchronizer. Interface to Linac/PAR Chain B and LEUTL Chains A and B.					Complete
Validate Linac/Par ACIS	13246				Complete
Interface to the Radiation Monitor mask chassis and install the software.					Complete
Install the PLC clock synchronizer.					Complete
Validate Leutl ACIS	13247				
16BM installation					
<b>FEEPS Tasks</b>					
Rewire AC power in racks affected by the centralized UPS installation, including signal to PLC		Behrndt	Gomez		Complete
23ID Installation		Behrndt	Travis		Complete
Check existing UPS's for switching failures		Behrndt			Complete
Modify & Validate 6 BLEPS systems		Behrndt			
Pull fiber for 23 ID communication		Behrndt	Travis, Straight	1/2 d	Complete

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Beamline	WORK Items	WRQ #	Responsible Eng.	Assigned Technician Resources	Estimated Duration	Comments
<b>PSS Tasks</b>						
	PSS Validations: 8BM, 12BM, 13ID, 3ID, 15ID, 5ID, 7ID, 1BM, 33ID, 18ID, 33BM, 1ID, 20ID, 22BM, 13BM		Nguyen	Roberts, Straight, Gomez, Travis, Francis		Completed: 8BM, 12BM, 13ID, 3ID, 15ID, 5ID, 7ID, 1BM, 33ID, 18ID, 33BM, 20ID
1ID	P4, P5, SS1 and SS2 shutters a) remove PSS switches;	13460, 13462, 13467	Friedman	Straight	2h	Complete
	b) reinstall the switches after the IS is back in the BL & calibrate the shutter and validate shutter wiring.			Roberts	1d	Complete
2BM	P6 MS1 shutter: a) remove PSS switches;	13468	Friedman	Straight	1h	Complete
	b) reinstall the switches after the cylinder is back together & calibrate shutter and validate shutter wiring.			Roberts	2h	Shutter reinstalled -& connected. Need calibrated & a mini val
6ID	SS1 and SS2 in the FE: a) remove PSS switches	13469	Friedman	Straight	1h	Complete
	b) reinstall the switches after the SS's are back together & calibrate the shutters and validate shutter wiring.			Roberts	4h	Complete
5ID	Move 2 WBS-A DIW wires on the FERDP – one for chain A, another for chain B.		Nguyen	Gomez	1h	Complete
23ID	PSS front end installation		Hawkins	Francis		Complete
All	Check FE shutter stickers		Friedman	Straight	2h	Complete
33BM	When searching station C, the enunciator claims that station D is being searched - replace the unit.		Nguyen	Gomez	2h	Complete
13BM	Integrate new shutter (SH-D) with the PSS.	13493	Ross	Roberts	3d	Shutter wired, needs calibrated
16ID	Validate shutter S3-D IS, in station C		Friedman	Roberts	1/2d	Complete
1BM through 7ID	Change Pulizzi plug-in configuration	13471	Friedman	Gomez	1d	Complete
All	Door magnetic locks – identify old units and replace them with new ones	13480	Friedman	Straight	1d	Inventory complete
All	PM on door switches & magnetic locks: search stations, operate doors and identify irregularities.	13481	Friedman	Straight		Any time during the SD.
1BM	Ground upper 15U panels. Total of 2 15U cabinets		Dawson	Roberts	2h	Complete
1ID	Ground upper 15U panels. Total of 3 15U cabinets		Dawson	Roberts	2h	Complete
2BM	Ground upper 15U panels. Total of 2 15U cabinets		Dawson	Roberts	2h	Complete
1ID	All 4 PSS DIW transmitters will be relocated to the mezzanine. Viatran transmitters will be replaced with Yokogawa ones. Tie-in, test and document		Dawson	Travis	2d	Ongoing
2ID	All 8 PSS DIW transmitters will be relocated to the mezzanine. Viatran transmitters will be replaced with Yokogawa ones. Tie-in, test and document		Dawson	Travis	2d	Ongoing
6ID	Rewire DIW transmitters: pull new cable, terminate, test and document		Dawson	Travis	2d	Deferred till Aug/Sept Shutdown
11ID	Rewire DIW transmitters: pull new cable, terminate, test and document		Dawson	Travis	2d	Deferred till Aug/Sept Shutdown
16ID	Rewire DIW transmitters: pull new cable, terminate, test and document		Dawson	Travis	2d	Deferred till Aug/Sept Shutdown
15ID	Replace chain A 'less than 3PSI' switch	13490	Friedman	Straight	2h	Complete
All but where PSS valid.is planned	Replace WDT relays, two on each FERDP.	13492	Friedman	Straight	4h	Complete
4ID, 6BM, 6ID, 7ID, 8BM, 9ID, 10BM, 16ID, 22BM, 22ID, 31ID, 32ID, 33BM, 34ID, & 35BM	Install Chain A processor sticker saying 'Do not remove. Under PSS configuration'.		Friedman	Straight	2h	Complete
21, 23 & 24	Pull cables to reflect changes in the PSS layout		Hawkins	Francis	1d	23ID & 24ID complete
	Pull fiber for PSS communications		Emerson	OPS	1d	Complete